The United States of America

The Commissioner of Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.

Dince Tehran

Commissioner of Patents and Trademarks

Dandra S. Mortan



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[54] AMINO ACID DERIVATIVE ANTICONVULSANT

[75] Inventors: Harold L. Kohn, Houston; Darrell

United States Patent [19]

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[73] Assignee: Research Corporation Technologies,

Inc., Tucson, Ariz.

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Related U.S. Application Data

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		C07D 211/72; C07D 261/04
1571	II S C	E14/331 3. E14/31C

[58] Field of Search 564/148, 155, 154, 152; 548/616, 245, 371.4; 514/461, 548, 549; 546/292

[56]

References Cited

U.S. PATENT DOCUMENTS

2,676,188		Bruce et al 564/155
2,721,197	10/1955	Sheehan 564/155
3,340,147	9/1967	Martin et al 514/616
3,657,341	4/1972	Thorne et al 260/553 A
3,707,559	12/1972	Mazur et ai 564/158
4,018,826	4/1977	Gless, Jr. et al 564/215
4,260,684		Schult 564/155
4,303,673		Biedermann et al 564/155
4,513,009		
4,595,700		Roques et al 564/155
4,618,708		Donald et al 514/616
		Roques et al 564/154
4,873,241	10/ 1989	Napier et al 514/237.8

FOREIGN PATENT DOCUMENTS

0885303	3/1981	Belgium .
0194464	2/1980	European Pat. Off
0007441		European Pat. Off
0038758		European Pat. Off
0042626		European Pat. Off
0046707		European Pat. Off
9263506		European Pat. Off.
40 400400		European Pat. Off
1927692		Germany.
0393355	10/1965	Switzerland .
1051220	12/1966	United Kingdom .

OTHER PUBLICATIONS

Chemical Abstracts, vol. 92; No. 7:51712r (Feb. 18, 1990).

Chemical Abstracts, vol. 96; No. 5:35710r (Feb. 1, 1982).

Chemical Abstracts, vol. 101; No. 9; 72124v (Aug. 27, 1984).

Chemical Abstracts, vol. 91; No. 21:175147; (Nov. 19, 1979).

(List continued on next page.)

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[57]

ABSTRACT

The present invention relates to compounds exhibiting central nervous system (CNS) activity which are useful in the treatment of epilepsy and other CNS disorders. The compounds of this invention have the following general formula:

and pharmaceutically acceptable salts thereof.

150 Claims, No Drawings